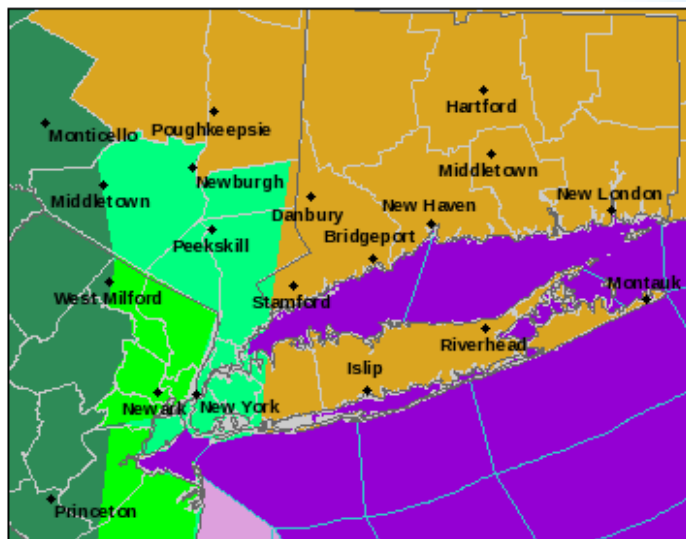
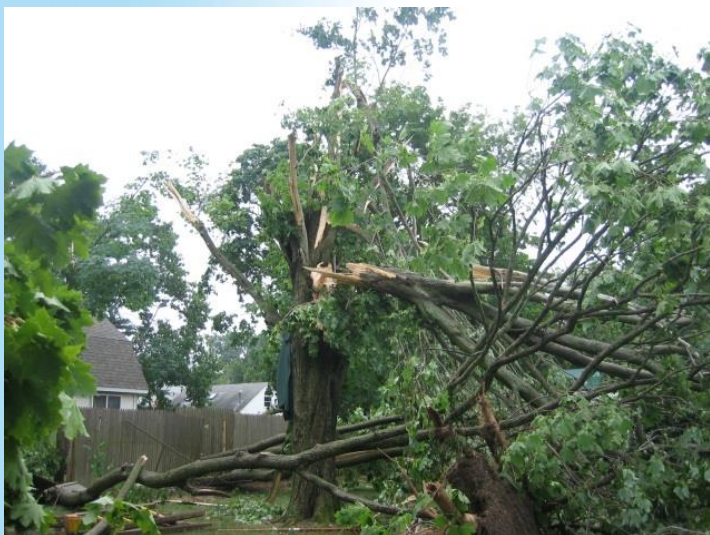


# Major Autumn Storm into Tonight











**Decision Support Briefing #1**  
**As of: 430 pm 10/29/2017**



Last Map Update: Sun, Oct. 29, 2017 at 4:21:24 pm EDT

[Watches,](#)  
[Warnings &](#)  
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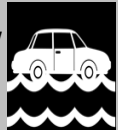

[High Wind Warning](#)   
[Storm Warning](#)   
[Flood Warning](#)   
[Flash Flood Watch](#)   
[Gale Warning](#)   
[Flood Advisory](#)   
[Coastal Flood Advisory](#)   
[Wind Advisory](#)   
[Coastal Flood Statement](#)   
[Hazardous Weather Outlook](#) 

## What Has Changed?

- ✓ *High Wind Warning Expanded Westward*
- ✓ *Coastal Flood Advisory for Queens, Long Island and Connecticut*



## Main Points

Hazard	Impacts	Location	Timing
<b>Damaging Wind</b> 	<ul style="list-style-type: none"> <li>35 to 45 mph, with gusts to 55-65 mph. Isolated 75 mph (Hurricane Force)</li> </ul> <hr/> <ul style="list-style-type: none"> <li>25 to 35 mph, with gusts 50-60 mph</li> </ul> <hr/> <ul style="list-style-type: none"> <li>Numerous downed trees</li> <li>Widespread power outages</li> </ul>	<p>Long Island, Coastal Connecticut, NYC Metro</p> <hr/> <p>NE NJ, Interior S CT and much of Lower Hudson Valley</p> <hr/>	<p>Damaging winds between 9pm to 3am</p>
<b>Flooding Rain</b> 	<ul style="list-style-type: none"> <li>2 to 4", locally 4-6"</li> </ul> <hr/> <ul style="list-style-type: none"> <li>Flash flooding of urban areas, several roads and small streams</li> <li>Significant rises on larger rivers</li> </ul>	<p>Heaviest rain axis will likely be across NYC, NE NJ, Lower Hud, SW CT, and W LI</p>	<p>Heavy Rain through Midnight</p> <p>River rises likely through Monday.</p>
<b>Coastal Flood/High Surf</b> 	<ul style="list-style-type: none"> <li>Minor inundation (around 1 ft above ground level) due to storm surge, waves, and heavy rain</li> </ul>	<p>Vulnerable locales along the south shore bays of LI and Queens, Eastern bays of LI and Coastal CT</p>	<p>This evening into Monday Morning</p>
<b>Marine</b> 	<ul style="list-style-type: none"> <li>Wind gusts of 55-60 KT</li> <li>Seas up to 20' on the ocean and 4 to 8' on the Sound</li> </ul>	<p>Highest winds and seas across Eastern ocean and nearshore waters.</p>	<p>Strongest winds tonight.</p> <p>Highest seas Tonight into Monday Morn.</p>

# Summary of Greatest Impacts



## Damaging Winds: Long Island and Connecticut

None

Limited

Elevated

Significant

Extreme



## Flooding Rain:

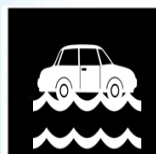
None

Limited

Elevated

Significant

Extreme



## Coastal Impacts: Geographical Information

None

Limited

Elevated

Significant

Extreme



## Marine: Geographical Information

None

Limited

Elevated

Significant

Extreme

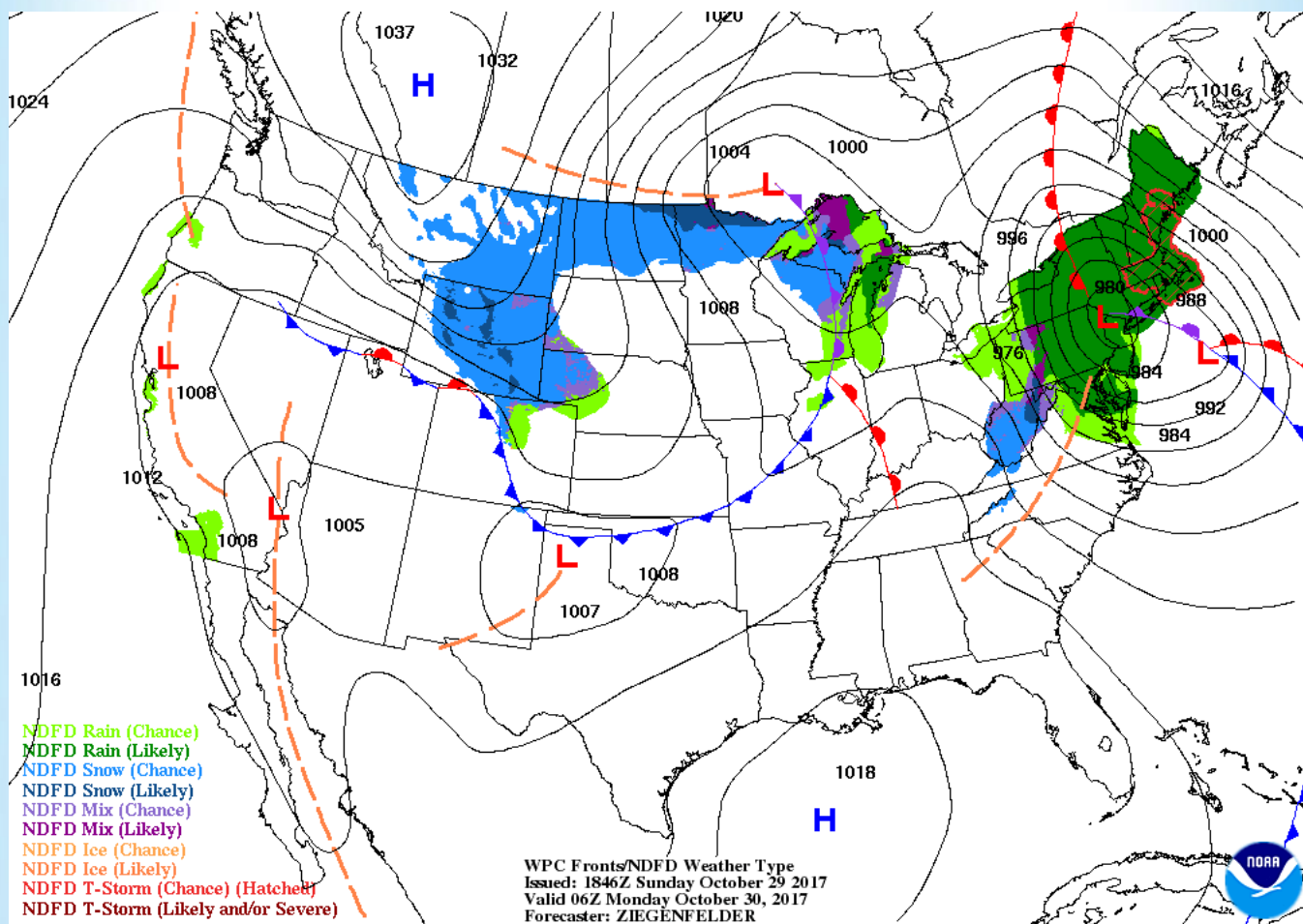


Note:

Hazard impact level definitions can be found on our Graphical Hazardous Weather Outlook  
<http://www.weather.gov/okx/ehwo>

## Forecast Map

Intense low pressure, bringing damaging winds and heavy rain, will approach from the southeast this evening and pass over Western portions of the Tri-State tonight.





# Damaging Winds

## Damaging Wind Threat

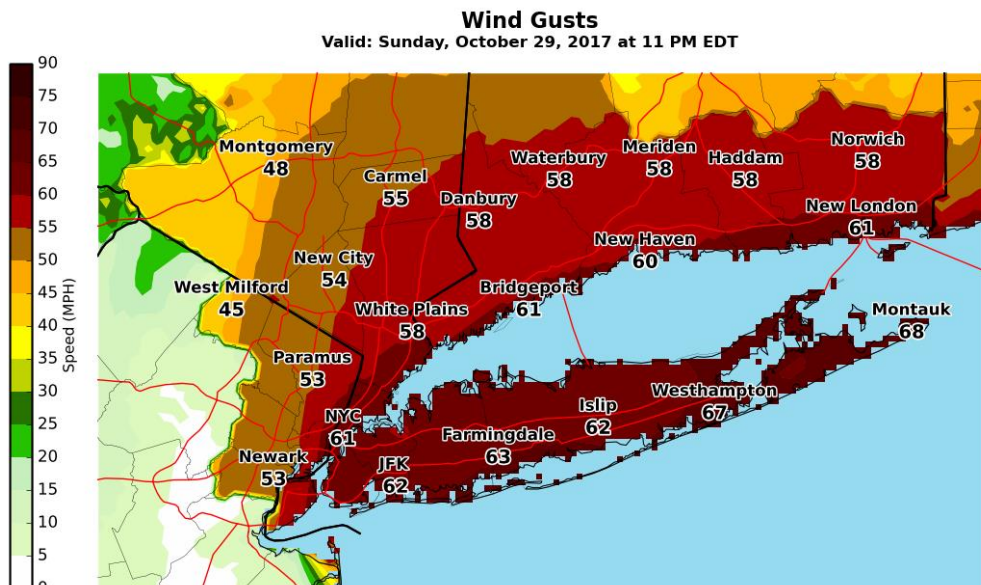
- ✓ Long Island/Coastal Connecticut/NYC metro:
  - ✓ 35 to 45 mph, with gusts to 55-65 mph. **Isolated 75 mph wind gusts possible for LI/Coastal CT.**
- ✓ NE NJ, Interior Southern CT and much of Lower Hudson Valley:
  - ✓ 25 to 35 mph, with gusts 50 to 60 mph.

## Timing and Location

- ✓ 9 pm to 3 am
- ✓ Strongest winds across Long Island and Southeastern Connecticut

## Impacts

- ✓ Numerous downed trees
- ✓ Widespread Power outages



National Weather Service  
New York NY  
10/29/2017 03:34 PM EDT

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**Isolated 75 mph (Hurricane Force)  
wind gusts possible across  
Long Island and Coastal CT !!**

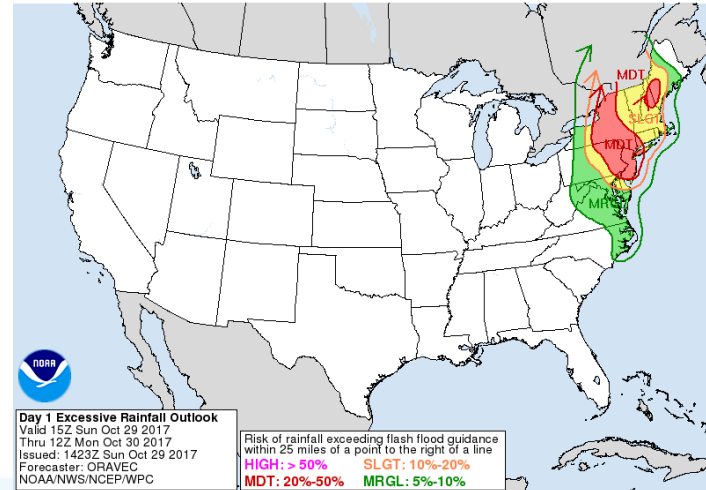


# Flooding Rain



National Weather Service  
New York NY  
10/29/2017 03:35 PM EDT

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## Flooding Rain Threat:

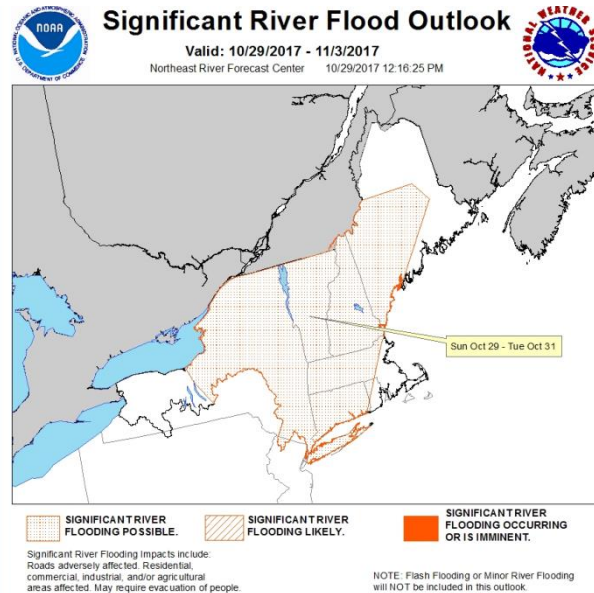
- ✓ 2 to 4 inches area wide, locally 4 to 6 inches
- ✓ Heaviest amount across Western half of Tri-State region, including the urban corridor

## Timing

- ✓ Heavy Rain through around Midnight

## Impacts

- ✓ Flash flooding of urban areas, several roads, and small streams
- ✓ Significant rises on larger rivers through Mon, with flooding possible



# Coastal Flooding

- **Coastal Threats and Impacts:**

- Inundation of around 1 ft for vulnerable coastal locales this evening into Monday morning along southern bays of LI and Queens, eastern bays of LI, and coastal CT. Water may linger near minor flood thresholds along bay areas during normal low tide overnight.
- Locally 2 ft of inundation possible, due to wave splashover and heavy rain.
- Shallow flooding of some waterfront roads and properties.

- **Shoreline Threats and Impacts:**

- 10-15 ft breaking waves along the ocean front, 3 to 6 ft along the Orient Point, 3 to 5 ft along the CT coast, and 2 to 3 ft along south facing Great South Bay.
- Beach erosion with minor damage to coastal structures.

# Forecast Uncertainties or Scenarios

- **Potential for 75 mph wind gusts (Hurricane Force) Tonight**
  - Localized potential across Long Island and Coastal Connecticut between 9 pm and 3am.
  - Damaging wind gusts are expected for most of the region
- **Potential for 4 to 6” of rain**
  - Highest likelihood across NE NJ, Lower Hud, SW CT, NYC Metro
- **Magnitude of Coastal Flooding**
  - Water levels could stay just below minor flood thresholds if water levels quickly peak during low tide.
  - There is a low probability of localized moderate coastal impacts along the southern and eastern bays of Long Island and Southeastern Connecticut during the Monday morning high tide if storm surge peaks later than expected.





## Event Summary

- ✓ **Damaging wind gusts of 55-65 mph expected across NYC, Long Island and coastal Connecticut between 9pm and 3am.**
  - ✓ **Isolated 75 mph wind gusts (Hurricane Force) possible across Long Island and Coastal CT.**
- ✓ **Heavy rain, causing flash flooding of urban areas, several roads and small streams through midnight.**
  - ✓ **Larger stem river rises through Monday**
- ✓ **Minor coastal and shoreline impacts expected this evening into early Monday morning due to elevated water levels, heavy rain, and high surf.**

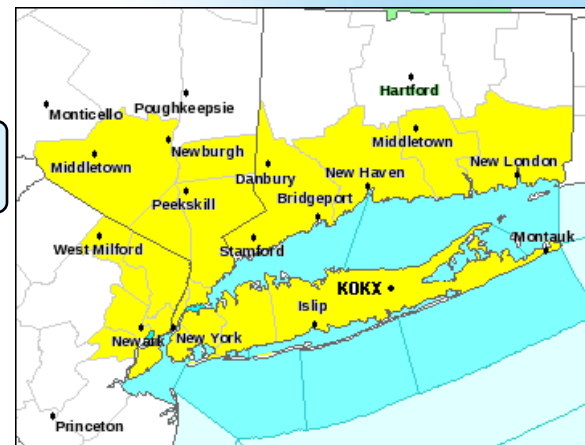


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**Disclaimer:** *The information contained within this briefing is time-sensitive, do not use after time month, date*

